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Claim 13 (amended):

The method of Claim 12, in which the genetic construct comprises an anti-sense polynucleotide, a polynucleotide that bind to SHIP mRNA, a nucleic acid that hybridizes to a SHIP mRNA, an interfering RNA specific for SHIP mRNA, a recombinant retroviral vector, a ribozyme, an RNA aptamer, and a peptidomimetic, inhibitors of SHIP function, or a combination thereof.

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Claim 25 (amended):

A method for screening a substance suspected of inhibiting SHIP function, comprising:

- (1) allowing SHIP to react with a SHIP substrate in the presence of the substance, and taking a first measurement of a signal that indicates the extent of the SHIP/substrate reaction;
- (2) allowing SHIP to react with a SHIP substrate in the absence of the substance, and taking a second measurement of the same signal that indicates the extent of the SHIP/substrate reaction; and
- (3) comparing the first and the second measurements, whereby a substance that inhibits SHIP function is selected.

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Claim 26 (amended):

The method according to Claim 25, wherein the SHIP substrate is selected from the group consisting of Shc, Grb2, the FcR γ B Receptor, PIP3, and IP4, or a modification thereof.